

PROJECT AREA PROPERTY OWNERS & STRUCTURES

1 JPA SECTION 2 - PROJECT PROPERTY OWNERS LIST

The acquisition of property from these Property Owners is expected to be required to construct the Cobbs Creek Reservoir Project. Acquisition will include the purchase of complete parcels of land, the purchase of portions of parcels, and the purchase of utility easements across parcels. The extent of property to be acquired from each owner has not been established yet.

**Table 1
Project Property Owners**

Project Property Owners * (different from applicant)	Mailing Address	City	State	Zip Code
Emma P. and Charles Alexander, IV	2805 Milton Hills Drive	Charlottesville	VA	22901
Grace V. and Robert E. Baker, Jr.	Route 1 Box 8	Columbia	VA	23038
Vernon D. Ball	331 Cedar Plains Road	Columbia	VA	23038
David R. Young & Carolyn Boutchard	1367 Columbia Road	Columbia	VA	23038
Edmund Burruss	Post Office Box 28	Powhatan	VA	23139
Jamie L. Childress	1199 Columbia Road	Columbia	VA	23083
Helen M. and Philip F. Couch, Jr.	11770 Rexmoor Drive	Richmond	VA	23235
Carrie L. Flippen	275 White Road	Columbia	VA	23083
Forestree 96 Limited Partnership c/o John Hancock Timber Resource Corporation	99 High Street, 26 th Floor	Boston	MA	02110
Jean D. Harrison	347 Morningside Rd.	Cartersville	VA	23027
Raymond A. York & Amy Lyn Judge	1100 Brandy Oak Way	Chesterfield	VA	23832
Forrest H. Keeton	1800 Bellwood Road	Richmond	VA	23237
Robert L. Nolda Jr. & Cheryl A. Nolda	1359 Columbia Road	Columbia	VA	23038
Larry Nelson Payne	2045 Fort Lynne Road	Harrisonburg	VA	22802
Marvin R. Sparrow	Route 1 Box 197	Suffolk	VA	23434
James E. Thurston, Ella V. Childress (life estate) and Brenda Lee	1199 Columbus Road	Columbia	VA	23038
Jerry W. Toney	1911 Swamp Fox Rd.	Midlothian	VA	23112

* Acquisition of property or easements from these owners is expected to be required

2 JPA SECTION 6 - PROPERTY OWNERS LIST FOR PUBLIC NOTIFICATION

Notification of the following property owners is required by Part 6 of the Joint Permit Application. The following table includes both Adjacent Property Owners and Project Property Owners, as noted in columns 1 and 2. No acquisition of property is expected from Adjacent Property Owners.

Table 2
Public Notification List

Project Property*	Adjacent Property**	Property Owner's Name	Mailing Address	City	State	Zip Code
X		Emma P. and Charles Alexander, IV	2805 Milton Hills Drive	Charlottesville	VA	22901
X		Grace V. and Robert E. Baker, Jr.	Route 1 Box 8	Columbia	VA	23038
X		Vernon D. Ball	331 Cedar Plains Road	Columbia	VA	23038
X		David R. Young & Carolyn Boutchard	1367 Columbia Road	Columbia	VA	23038
X		Edmund Burruss	Post Office Box 28	Powhatan	VA	23139
X		Jamie L. Childress	1199 Columbia Road	Columbia	VA	23038
X		Helen M. and Philip F. Couch, Jr.	11770 Rexmoor Drive	Richmond	VA	23235
X		Carrie L. Flippen	275 White Road	Columbia	VA	23038
X		Forestree 96 Limited Partnership c/o John Hancock Timber Resource Corporation	99 High Street, 26 th Floor	Boston	MA	02110
X		Jean D. Harrison	347 Morningside Rd.	Cartersville	VA	23027
X		Raymond A. York & Amy Lyn Judge	1100 Brandy Oak Way	Chesterfield	VA	23832
X		Forrest H. Keeton	1800 Bellwood Road	Richmond	VA	23237
X		Robert L. Nolda Jr. & Cheryl A. Nolda	1359 Columbia Road	Columbia	VA	23038
X		Larry Nelson Payne	2045 Fort Lynne Road	Harrisonburg	VA	22802
X		Marvin R. Sparrow	Route 1 Box 197	Suffolk	VA	23434
X		James E. Thurston, Ella V. Childress and Brenda Lee	1199 Columbus Road	Columbia	VA	23038
X		Jerry W. Toney	1911 Swamp Fox Rd.	Midlothian	VA	23112
	X	Roger Dale Bowles	217 Cedar Plains Road	Columbia	VA	23038
	X	Mary Davis	Columbia Road	Cartersville	VA	23027
	X	P. L. Duncan & Sons, Inc.	2 Duncan Store Road	Columbia	VA	23038
	X	Margaret B Le Forsyth, Richard & Julia Rose, ET AL	6280 Brema Rd	Brema Bluff	VA	23022
	X	Henry Jackson c/o Jumilah S. Abdul-Baatin	P.O. Box 3299	Elizabeth	NJ	07207
	X	D. Ryne Johnson	3450 Lady Marian Ct.	Midlothian	VA	23113
	X	Oakwood Methodist Church	1291 Columbia Road	Columbia	VA	23038
	X	Clara B. Surles	17 Myrtle Avenue	Irvington	NJ	07111
	X	S Lynn & Barbara C Townsend	1500 Stoneycreek Court	Richmond	VA	23233
	X	Donald and Gloria Trent	Route 1 Box 32	Columbia	VA	23038
	X	Fork of Willis Baptist Church c/o Barbara Wood	967 Ampthill Road	Columbia	VA	23038

* Acquisition of property or easements from these owners is expected to be required

** No acquisition of property from these owners is expected at this time

3 IDENTIFIED STRUCTURES AT THE COBBS CREEK RESERVOIR SITE

Houses, barns and other structures in the vicinity of the proposed Cobbs Creek Reservoir Project were initially identified through an inspection of the best available aerial photography and USGS mapping. The location of identified structures was compared to the extent of the proposed maximum flood pool of the reservoir (NAVD 88 Elevation 347) to identify those structures that are within or near the edges of the flood pool. Several structures identified from the aerial photography are clearly located within the proposed normal pool (NAVD 88 Elevation 345).

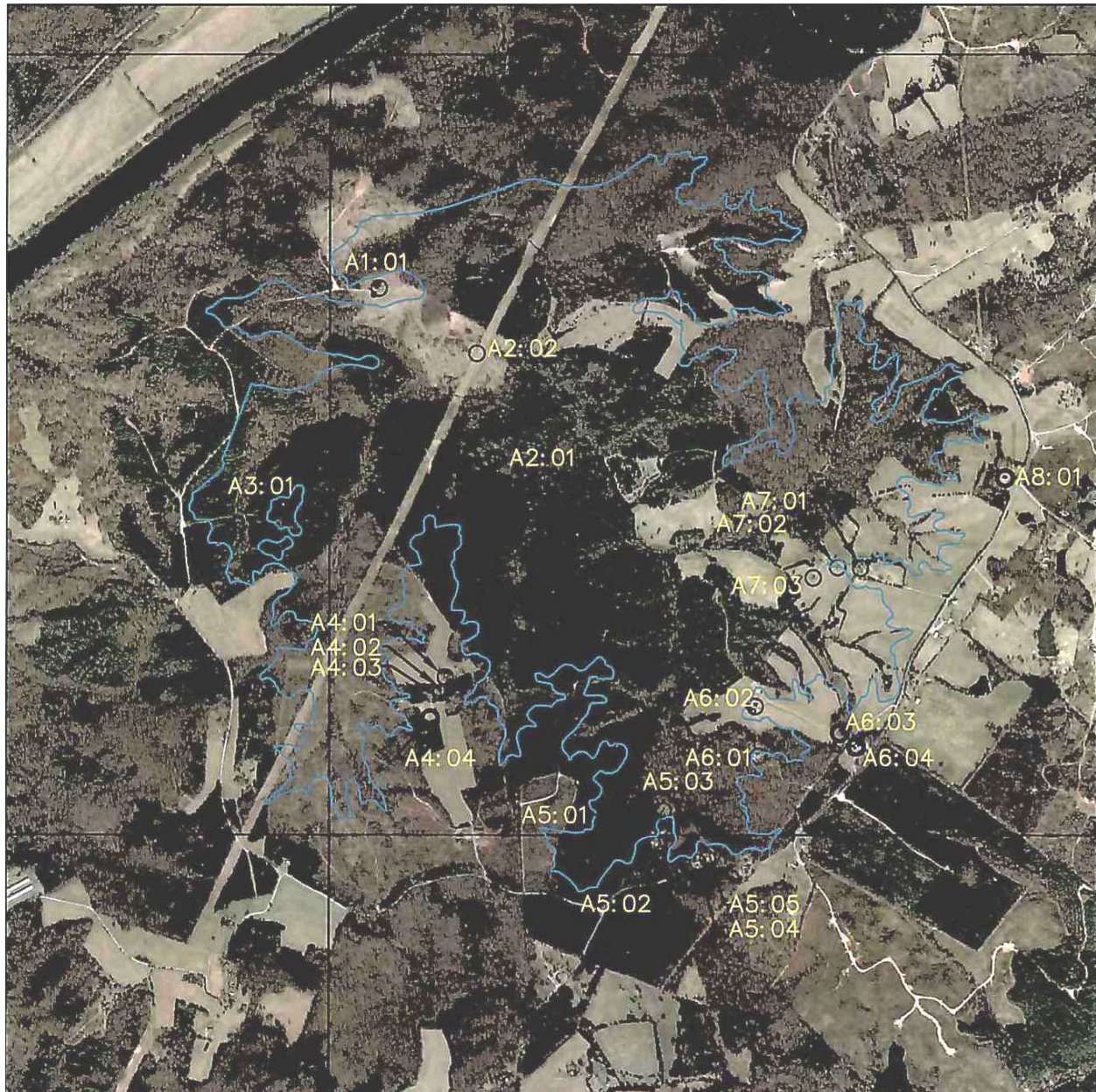
One existing permanently inhabited home is located within the normal pool area of the reservoir and would be flooded by the reservoir. Two mobile or temporary structures (a deer stand and a camper), a house foundation, and a home's storage shed were also identified within the normal pool area from the aerial photography and their existence and location within the pool area was confirmed by site visits.

Several structures were identified near the edge of the flood pool based on the best available mapping and aerial photography and were confirmed by a site visit; however, the precise position of the structures relative to the edge of the reservoir flood pool could not be conclusively determined using the available mapping. The ground surface elevation at several points adjacent to each of these structures was precisely surveyed in the field to determine if the structures are within or outside the proposed reservoir pool area. All of these structures near the edge of the reservoir pool were found to be outside the proposed maximum flood pool area based on this survey.

All of the structures identified by inspection of aerial photographs were checked in the field to determine their current use and status. This information is presented on the following pages, with photographs of most of the structures. Some of these structures are also described in Tab G "Cultural Resources".

PROJECT AREA PROPERTY OWNERS & STRUCTURES

The map below is a location map of the proposed Cobbs Creek Reservoir area, including an outline of the proposed limits of the reservoir and indicating the various structures that were located by photo review and verified in the field. A description of the field inspection findings and close-up photographs of most structures are presented on the following pages.



Structure A1:01:

Tax Map 5, Parcel 11

Larry Nelson Payne

2045 Fort Lynne Road

Harrisonburg, VA 22802

Structure A1:01 is an old house that appears to be used as a hunting cabin. The house is located in the vicinity of the west end of the proposed Cobbs Creek Dam and is above NAVD Elevation 360, so it will not be flooded by the reservoir. Access to the house from Cedar Plains Road will continue to be possible using the existing road along the ridgeline to the west of the house and the proposed West Saddle Dam access road.

Several windows and the front door of the house are missing. It appears that only the lower floor, right side of the house is used. The back side of the house has a new addition of living space as well as a roofed area for storage of a tractor and various other items. There are no power or telephone lines serving the house. The yard area of the house is designated archeological site 44CM31, and is described in the Cultural Resources portion of this permit application.



Structure A2:01:

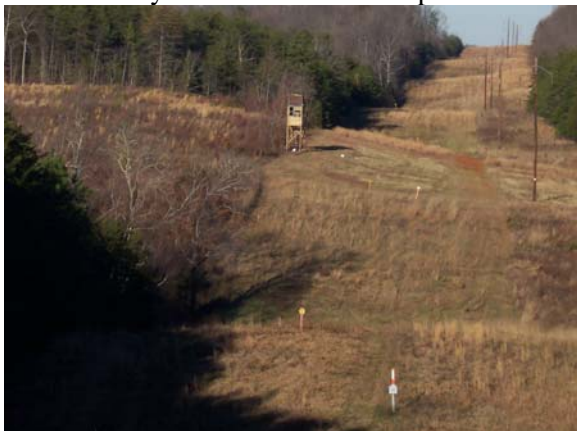
Tax Map 5, Parcel 10
Forestree 96 Limited Partnership
c/o John Hancock Timber Resource Corporation
99 High Street, 26th Floor
Boston, MA 02110-2320

Structure A2:01 is a foundation from an old house. The foundation is located in the proposed reservoir pool area, at approximately NAVD Elevation 310. This foundation will be flooded by the reservoir normal pool. The area is designated archeological site 44CM63a, and is described in the Cultural Resources portion of this permit application.

**Structure A2:02:**

Tax Map 5, Parcel 11
Larry Nelson Payne
2045 Fort Lynne Road
Harrisonburg, VA 22802

Structure A2:02 is deer stand located on the west edge of the Colonial Pipeline and Dominion Virginia Power easements. The deer stand is located at approximately NAVD Elevation 270. This structure will be flooded by the reservoir normal pool.



Structure A3:01:

Tax Map 5, Parcel 10

Edmund Burruss

Post Office Box 28

Powhatan, VA 23139

Structure A3:01 is a portable truck-bed style camper that appears to be used by hunters. The camper is located in the vicinity of the West Saddle Dam and is at or above approximately NAVD Elevation 360, so it will not be flooded by the reservoir. However, USGS contour mapping shows that the forest road that provides access to this site will be flooded and the site itself will be accessible only from the top of the ridgeline to the south.



Structure A4:01:

Tax Map 10, Parcel 73

Jean D. Harrison

347 Morningside Road

Cartersville, VA 23027

Structure A4:01 is an uninhabited house that is in poor condition. The house is at approximately NAVD Elevation 380, so it will not be flooded by the reservoir. The site will become a peninsula within the reservoir pool. Access to the house along the existing forest road from Route 610 will not be impacted by the reservoir pool.

The house is missing several windows and the front door. Two storage sheds, structures A4:02 and A4:03, are located near the house. These structures are described separately. This building is designated as Structure 6 and described in the Cultural Resources portion of this permit application



Structure A4:02:

Tax Map 10, Parcel 73

Jean D. Harrison

347 Morningside Road

Cartersville, VA 23027

(Same parcel as Structure A4:01)

Structure A4:02 is a storage shed, currently being used to store farm equipment. It is at approximately NAVD Elevation 380, so it will not be flooded by the reservoir.

**Structure A4:03:**

Tax Map 10, Parcel 73

Jean D. Harrison

347 Morningside Road

Cartersville, VA 23027

(Same parcel as Structure A4:01)

Structure A4:03 is an abandoned storage shed, overgrown with brush and vines, located adjacent to structure A4:02. The storage shed is at approximately NAVD Elevation 380, so it will not be flooded by the reservoir.



Structure A5:01:

Tax Map 11, Parcel 2

James E. Thurston, Ella V. Childress and Brenda Lee

1199 Columbia Road

Columbia, VA 23038

Structure A5:01 is a currently occupied house. The house is located off of Route 690, Columbia Road. The ground surface elevation around the house was surveyed at several locations, as shown on Figure A5, and found to be above NAVD Elevation 357 at all surveyed locations, so the house will not be flooded by the reservoir.

There is a storage shed located adjacent to the house, which also will not be flooded by the reservoir.



Structure A5:02:

Tax Map 11, Parcel 2

James E. Thurston, Ella V. Childress and Brenda Lee

1199 Columbia Road

Columbia, VA 23038

(Same parcel as Structure A5:01)

Structure A5:02 is a currently occupied mobile home. It is located off of Route 690, Columbia Road. The ground surface elevation around the structure was surveyed at several locations, as shown on Figure A5, and found to be above NAVD Elevation 357 at all surveyed locations, so the house and surrounding yard area will not be flooded by the reservoir. The lowest elevation along the driveway between Columbia Road and this structure is approximately NAVD Elevation 354, so the driveway will not be flooded by the reservoir.

There is a dog kennel located adjacent to the house, which will not be flooded by the reservoir. There is a sign on Columbia Road at the driveway to this house, indicating that a kennel is associated with this group of homes (Falling Oaks Kennel).



Structure A5:03:

Tax Map 11, Parcel 2A

Jamie L. Childress

1199 Columbia Road

Columbia, VA 23038

Structure A5:03 is a currently occupied ranch style house. The house is located off of Route 690, Columbia Road. The ground surface at the corners of the house was surveyed and found to be above NAVD Elevation 347, so the house will not be flooded by the reservoir normal or maximum flood pools. However, based on several spot elevation checks in the yard area around the house, it appears that the reservoir normal pool will come within approximately 50 feet of the back of the house and remain slightly farther away from the front of the house. The reservoir normal pool will flood the downhill portions of the open yard on the north, east, and west sides of the house. The driveway and parking area on the south side of the house will not be flooded. The maximum flood pool of the reservoir would come within approximately 25 feet of the house, if the maximum design flood event were to occur.

There are two storage sheds located adjacent to the house. The shed in the pine trees near the parking area is above NAVD Elevation 350 and will not be flooded. The shed down the hill behind the house at the edge of the lawn area is below NAVD Elevation 345, so it will be flooded by the reservoir.



Structure A5:04:

Tax Map 11, Parcel 3A

Mary Davis

Columbia Road

Cartersville, VA 23027

Structure A5:04 is a currently occupied house. The house is located on Route 690, Columbia Road and is at or above NAVD Elevation 370, so it will not be flooded by the reservoir.

**Structure A5:05:**

Tax Map 11, Parcel 4

Donald and Gloria Trent

Route 1, Box 32

Columbia, VA 23038

Structure A5:05 is a currently occupied ranch house. The house is located on Route 690, Columbia Road and is at or above NAVD Elevation 370, so it will not be flooded by the reservoir.



Structure A6:01:

Tax Map 6, Parcel 3C

Raymond A. York and Amy L. Judge

1100 Brandy Oak Way

Chesterfield, VA 23832

Structure A6:01 is a currently occupied house located off of Route 690 (Columbia Road). The house is located down a long driveway that runs behind the Oakwood United Methodist Church. The ground surface elevation around the house was surveyed at several locations, as shown on Figure A6-1, and found to be above NAVD Elevation 349 at all surveyed locations, so the house and most of the open lawn areas around it will not be flooded by the reservoir.



Structure A6:02:

Tax Map 6, Parcel 3C

Raymond A. York and Amy L. Judge

1100 Brandy Oak Way

Chesterfield, VA 23832

Structure A6:02 is a horse barn located off of Route 690 (Columbia Road). The barn is located behind the Oakwood United Methodist Church. The ground surface elevation around the barn was surveyed at several locations, as shown on Figure A6-2, and found to be above NAVD Elevation 353 at all surveyed locations, so the barn will not be flooded by the reservoir.

There are two lean-to structures for feed or shelter in two of the separated pastures adjacent to the barn. Based on the surveyed ground surface elevations near the barn, it appears that these sheds will not be flooded by the reservoir; however, this was not specifically confirmed by the field survey. There are also multiple horse training rings in the adjacent area, which are slightly downhill from the barn, that may be flooded by the reservoir.



**Structure A6:03:**

Tax Map 6, Parcel 3C
Raymond A. York and Amy L. Judge
11000 Brandy Oak Way
Chesterfield, VA 23832

Structure A6:03 is an abandoned house located off of Route 690 (Columbia Road) behind the Oakwood United Methodist Church (Structure A6:04). It is at or above NAVD Elevation 380, so it will not be flooded by the reservoir.



Structure A6:04:

Tax Map 6, Parcel 5

Oakwood United Methodist Church

Cartersville, VA

Structure A6:04 (Oakwood United Methodist Church) is located on Route 690 (Columbia Road). It is at or above NAVD Elevation 380, so it will not be flooded by the reservoir.



Structure A7:01:

Tax Map 6, Parcel 3

David R. Young & Carolyn Boutchard

1367 Columbia Road

Columbia, VA 23038

Structure A7:01 is a currently occupied 2 ½ story farmhouse located off of Route 690 (Columbia Road). The house is located on the eastern edge of the proposed reservoir pool. The ground surface elevation around the house was surveyed at several locations, as shown on Figure A7, and found to be above NAVD Elevation 358 at all surveyed locations, so the house will not be flooded by the reservoir.

There are three small out-buildings adjacent to the house, all of which appear to be above NAVD Elevation 350 and thus will not be flooded by the reservoir.



**Structure A7:02:**

Tax Map 6, Parcel 3

David R. Young & Carolyn Boutchard

1367 Columbia Road

Columbia, VA 23038

Structure A7:02 is an old barn adjacent to structure A7:01. It appears to be in a serviceable condition, but it was not determined if the barn is currently in use. The barn is located on the eastern edge of the proposed reservoir. The ground surface around the barn was surveyed at several locations, as shown on Figure A7, and found to be above NAVD Elevation 347 at all locations close to the barn, so the barn will not be flooded by the reservoir.

The normal reservoir pool will reach to within approximately 50 feet of the back of the barn. The maximum flood pool of the reservoir would come within approximately 20 feet of the back of the barn, if the maximum design flood event were to occur.



Structure A7:03:

Tax Map 6, Parcel 3B
Robert L. Nolda, Jr. & Cheryl A. Nolda
1359 Columbia Road
Columbia, VA 23038

Structure A7:03 is a currently occupied house located off of Route 690 (Columbia Road). The house is in sound condition. Access to the house is by means of a driveway that passes Structures A7:01 and A7:02. No pictures of this house were taken. The house is located in the proposed reservoir pool area, at approximately NAVD Elevation 335. The reservoir's water depth at the house site will be approximately 10 feet when the reservoir is full to its proposed normal pool level, NAVD 88 Elevation 345.

This house will be flooded by the reservoir pool.

Structure A8:01:

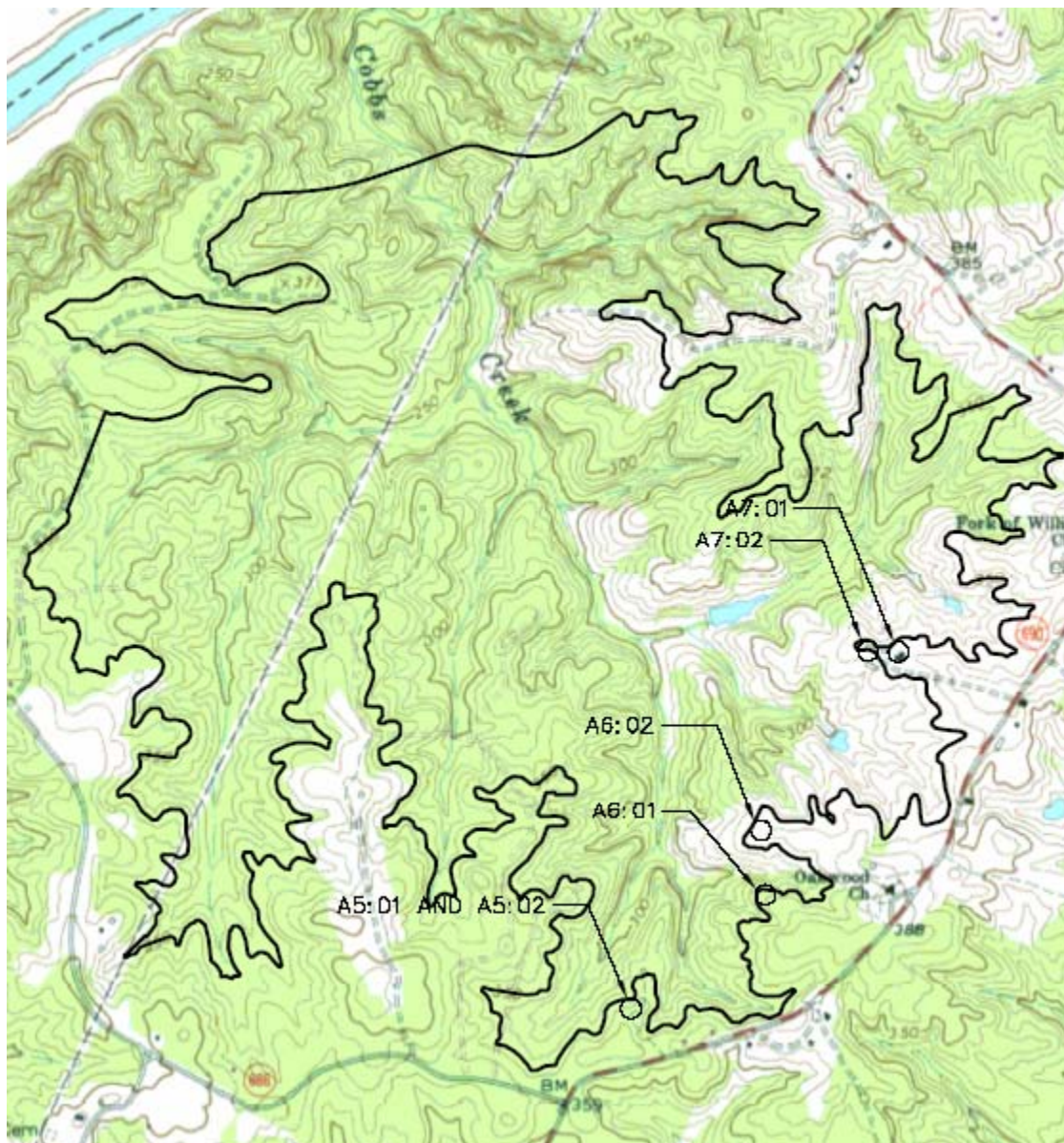
Tax Map 6, Parcel 4
Fork of Willis Baptist Church
Cartersville, VA

Structure A8:01 (Fork of Willis Baptist Church) is located on Route 690 (Columbia Road). It is at or above NAVD Elevation 390, so it will not be flooded by the reservoir.



4 STRUCTURE ELEVATION VERIFICATION

As noted in the previous section, several structures are located close to the proposed normal pool and maximum flood pool elevations. The ground surface elevation at these structures was precisely determined by means of a field survey in order to definitively establish if these structures would be flooded by the reservoir. Surveys were performed at the structure locations shown on the map below and all of these structures were confirmed to be outside the proposed reservoir normal pool and maximum flood pool. Only the single inhabited house noted in Section 3 will be flooded by the reservoir. The survey spot elevations are presented in the figures on the following pages.



NAD83/93 VA SOUTH ZONE NAVD 88



GRAPHIC SCALE



SPOT ELEVATIONS CUMBERLAND RESERVOIR

SCALE: 1" = 100'

PLAN NO. R02380-08S



Draper Aden Associates
Engineering + Surveying + Environmental Services

8090 V■a Park Drive
Richmond, VA 23228
804-264-2228 Fax: 804-264-8773

Blacksburg, VA
Charlottesville, VA
Hampton Roads, VA

DESIGNED
DRAWN
CHECKED
DATE

EJF
WCY
02/24/05

FIGURE

A5

NADES/93 VA SOUTH ZONE NAVD 88

+ 353.18
+ 359.11 + 357.26
+ 356.85 + 362.21
+ 349.24
+ 354.46
+ 364.34

GRAPHIC SCALE



SPOT ELEVATIONS CUMBERLAND RESERVOIR

SCALE: 1" = 100'
PLAN NO. R02380-08S



Draper Aden Associates

Engineering + Surveying + Environmental Services

8090 Vlla Park Drive
Richmond, VA 23228
804-264-2228 Fax: 804-264-8773

Blacksburg, VA
Charlottesville, VA
Hampton Roads, VA

DESIGNED
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CHECKED
DATE

EJF
WCY
02/24/05

FIGURE
A6-1

8090 VIA PARK DRIVE
RICHMOND, VA 23228
804-264-2228 FAX: 804-264-8773



SPOT ELEVATIONS CUMBERLAND RESERVOIR

SCALE: 1" = 100'
PLAN NO. R02380-08S



Draper Aden Associates
Engineering + Surveying + Environmental Services

8090 Via Park Drive
Richmond, VA 23228
804-264-2228 Fax: 804-264-8773

Blacksburg, VA
Charlottesville, VA
Hampton Roads, VA

DESIGNED
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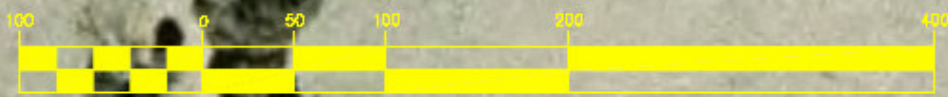
EJF
WCY
02/24/05

FIGURE
A6-2

NAD83/93 VA SOUTH ZONE NAVD 88



GRAPHIC SCALE



SPOT ELEVATIONS
CUMBERLAND RESERVOIR

SCALE: 1" = 100'
PLAN NO. R02380-08S



Draper Aden Associates
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8090 Villa Park Drive Blacksburg, VA
Richmond, VA 23228 Charlottesville, VA
804-264-2228 Fax: 804-264-8773 Hampton Roads, VA

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02/24/05

FIGURE
A7